IRM

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

KIM, Yang Hann

Title:

METHOD OF VISUALIZING SOUND FIELDS OF

INDIVIDUAL SOUND SOURCES USING ACOUSTIC

HOLOGRAPHY

Serial No.:

10/758,431

Filing Date:

14 January 2004

Examiner/Unit:

Daniel T. Pihulic / 3662

Attorney Docket No.: 1768-048-03

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited in the United States Postal Service "First class mail" on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

this 13th day of May 2005.

Laura J. Jordan

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97

Dear Commissioner:

In compliance with the duty of disclosure under 37 CFR § 1.56, Applicants submit herewith patents, publications, or other information for consideration during the examination of this application. The enclosed documents represent prior art references found in the Background of the Application.

In accordance with 37 CFR § 1.97, the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made nor that the information cited in the statement is or is considered to be "material" to patentability as defined in 37 CFR § 1.56(b).

Enclosed herewith are the following documents and instructions:

- X Check No. 23955 for \$180.00 is enclosed because a late surcharge fee is believed to be due in connection with the filing of this Supplemental Information Disclosure Statement.
- X Charge any additional fees or credit any overpayments to Deposit Account No. 07-1897.
- X A postcard as acknowledgement of receipt of PTO Form SB-8a and 8b and copies of the documents cited in the attached form are enclosed.

DATED this 13th day of May, 2005.

Respectfully submitted,

GRAYBEAL JACKSON HALEY LLP

John M(Janeway

Attorneys for Applicant Registration No. 45,796

155 -108th Avenue NE, Suite 350

Bellevue, WA 98004-5901

(425) 455-5575

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paramork Reduction Act of 1950, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Supplement Average Supplemental Supplemental

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

MAY 1 6 2005

(Use as many sheets as necessary)

Sheet 1 of 2

	Complete if Known	
Application Number	10/758,431	
Filing Date	14 January 2004	
First Named Inventor	KIM, Yang Hann	
Art Unit	3662	
Examiner Name	Daniel T. Pihulic	
Attorney Docket Number	1768-048-03	

			U.S. PATENT	OCUMENTS	
Examiner	Cita	Document Number	Dublication Date	Name of Patentee or Applicant of Cited Document	while we be seen to
Initials *	Cite No. ¹	Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
		US-			
***		US-			
		US-			

	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No. ¹	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Т ⁶
	B1	KR 10-0366206	3/7/2002	Yang Han Kim		N
	B2	KR 10-0217872	8/5/1998	Yang Han Kim and Hyu Sang Kwon		N
			·			
			ļ			
	L					

Examiner Signature	Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b(08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

persons are required to respond to a collection of information unless it contains a valid OMB control number Substitute for form 1449B/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet of

	Complete if Known	
Application Number	10/758,431	
Filing Date	14 January 2004	
First Named Inventor	KIM, Yang Hann	
Art Unit	3662	
Examiner Name	Daniel T. Pihulic	
Attomey Docket Number	1768-048-03	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Article: "Holographic Imaging without the Wavelength Resolution Limit" by Earl G. Williams and J. D. Maynard, printed in Vol 45, Number 7 of The American Physical Society on 18 August 1980	Υ
	C2	Article: "STSF - a unique technique for scan-based Near-field Acoustic Holography without restrictions on coherence" by Jorgen Hald, printed in Bruel & Kjaer Technical Review, Vol. 1, 1989	Y
	C3	Article: "Moving fram technique for planar acoustic holography" by Hyu-Sang Kwon and Yang-Hann Kim, printed in J. Acoust. Soc. Am 103(4), pp 1734-1741, April 1998	Y
	C4	Article: "Nearfield acoustic holography: I. Theory of generalized holography and the development of NAH" by J.D. Maynard, E. G. Willaims and Y. Lee, printed in J. Acoust. Soc. Am. 78(4), pp 1395-1413, October 1985	Y
	C5	Article: "Digital holographic reconstruction of sources with arbitrarily shaped surfaces" by W. A. Veronesi and J. D. Maynard, printed in J. Acoust. Soc. Am. 85(2), pp. 588-598, February 1989	Y
	C6	Article: "Multi-Reference Nearfield Acoustical Holography" by Darren Hallman and J. Stuart Bolton, printed in Inter-noise magazine, Toronto, Ontario, Canada on July 20-22, 1992, pp. 1164-1169	Υ
	C7	Article: "Separation of leading edge, trailing edge, and sidewall noise sources from rolling tires" by Richard J. Ruhala and Courtney B. Burroughs, printed for Noise-Con 98, Ypsilanti, Michigan, April 5-8, 1998, pp 109-114	Υ
	C8	Article: "Partial field decomposition in nearfield acoustical holography by the use of singular value decomposition and partial coherence procedures" by Hyu-Sang Kwon and J. Stuart Bolton, printed for Noise-Con 98, Ypsilanti, Michigan, April 5-8, 1998, pp 649+	Υ
		·	

Signature Considered	Examiner Signature	Date Considered	
----------------------	-----------------------	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suppressions for reducing this burdon, should be sent to the Chief. case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.